

Release B CDR RID Report

Date Last Modified 8/13/96

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Document

RID ID CDR 43

Review Release B CDR

Originator Ref

Priority 2

Section

Page

Figure Table

Category Name Client (CLS) Design

Actionee ECS

Sub Category

Subject Comparison of Client Functionality

Description of Problem or Suggestion:

Need to see the list of functions which are supported by the XCLIENT and are not supported by the JEST Interface. Also needed are effort estimates associated with supporting these features and functions.

Originator's Recommendation

Do this by the first meeting of the Client Design Working Group.

GSFC Response by:

GSFC Response Date

HAIS Response by: Gil Tadmor

HAIS Schedule

HAIS R. E. G. Tadmor

HAIS Response Date 5/20/96

The approach taken in categorizing and prioritizing the functions available for the Rel-B Basic Web Client are primarily based on -

- (1) the unavailability of the session/state management and security for web clients prior to Rel-B TRR
- (2) any workflow analyses as a result of the CDWG.

Goal: Deliver by TRR-B a Basic Web Client with a core set of science data search and order capabilities.

Basic Web Client Limitations:

- (1) Availability of Web Server Session Management (user session state "awareness" as well as security)
- (2) User preferences and display customization maintained on Netscape Enterprise Server independent of DCE.
- (3) Limited product order ability (essentially non-billable products) due to lack of Item #1 above and its interface to DCE
- (4) No access to product order history and account balances due to lack of Item #1 above and its interface to DCE.

In lieu of providing effort estimates on each function, the following table lists the functions that would be available in the Rel-B Basic Web Client. Functions that are pending workflow analysis or that are limited are highlighted as such.

Legend:

CDWG Worklfow - These functions (total of 4) will be evaluated based on the workflow complexity that the CDWG will produce. Final decision on which of these functions will be available in the Rel-B Basic Web Client is dependent on this analysis.

Limited - These functions are limited in Rel-B due to the stateless web client configuration and/or DCE security management for the web clients in Rel-B.

See attached tables.

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Status Closed

Date Closed 8/13/96

Sponsor McDonald

***** Attachment if any *****

Tool	Functionality	Implementation Type	Implemented By	Comments / Limitations
		(X/Motif HTML Java COTS) (EP7 PW3 TRR-B)		
Desktop	Customizable Icon/Hierarchical File Display	X/Motif	TRR-B	
	Advertisement installation	X/Motif	TRR-B	
	File management capabilities	X/Motif	TRR-B	
ESST				
Server Interfaces	Inventory	X/Motif Java	TRR-B TRR-B	
	Standard	X/Motif Java	EP7 EP7	
	Coincident	X/Motif	TRR-B	CDWG Workflow
	Incremental	X/Motif Java	TRR-B TRR-B	
	Advertisements	X/Motif Java	EP7 PW3	
	Guide	X/Motif Java	EP7 EP7	
	Data Dictionary	X/Motif Java	EP7 EP7	
Search Features	Keyword aliasing	X/Motif	TRR-B	
	ESQL server interface	X/Motif Java	TRR-B TRR-B	
	Multiple concurrent searches	X/Motif Java	EP7 EP7	
	Metadata exception display	X/Motif Java	EP7 TRR-B	
	Search suspension, cancellation	X/Motif Java	EP7 TRR-B	Limited due to #1, #2
	Dependent Valids Processing	X/Motif Java	EP7 PW3	
	Search on collection specific attributes	X/Motif Java	EP7 TRR-B	
	Server location transparency to user (one stop shopping)	X/Motif Java	EP7 EP7	
	Save/Load searches to/from desktop	X/Motif Java	EP7 EP7	Limited due to #1, #2
	Customizable, iconic attribute display	X/Motif Java	EP7 PW3	Limited due to #1, #2
	Timeline for temporal selections	X/Motif Java	EP7 EP7	
	Selectable events	X/Motif Java	EP7 PW3	
	Multiple ranges	X/Motif Java	EP7 EP7	
	Cyclic selections	X/Motif Java	EP7 PW3	
	Zoom-in/out	X/Motif Java	EP7 PW3	
	Map for spatial selections	X/Motif Java	EP7 EP7	
	Multiple figures (point, polygon, circle)	X/Motif Java	EP7 PW3	
	Pan and zoom-in/out	X/Motif Java	EP7 EP7	
	Multiple projections	X/Motif Java	EP7 TRR-B	
	Multiple region selection	X/Motif Java	EP7 TRR-B	
	Predefined selectable regions	X/Motif Java	EP7 TRR-B	

Tool	Functionality	Implementation Type	Implemented By	Comments
		(X/Motif HTML Java COTS) (EP7 PW3 TRR-B)		
ESST (Cont.)				
Result Processing Features	Customizable, iconic attribute display	X/Motif Java	EP7 PW3	Limited due to #1, #2
	Customizable granule reaggregation	X/Motif Java	EP7 TRR-B	Limited due to #1, #2
	Save/Load results to/from desktop	X/Motif Java	EP7 EP7	Limited due to #1, #2
	Viewing services	X/Motif Java	TRR-B TRR-B	
	Granule detail	X/Motif Java	TRR-B PW3	
	Granule coverage (temporal/spatial)	X/Motif Java	EP7 TRR-B	
	Browse (EOSView)	X/Motif Java	EP7 PW3	
	Pre-order data type services	X/Motif Java	TRR-B TRR-B	
	Subsetting	X/Motif Java	TRR-B TRR-B	CDWG Workflow
	Subsampling	X/Motif	TRR-B	CDWG Workflow
	Geographic Transformations	X/Motif	TRR-B	CDWG Workflow
	Data Processing Requests (DPRs)	X/Motif	TRR-B	
	Order services	X/Motif	TRR-B	
	Media type	X/Motif Java	EP7 TRR-B	Limited due to #1, #3
	Media format	X/Motif Java	TRR-B TRR-B	Limited due to #1, #3
	Order History & Acct Balance	X/Motif Java	TRR-B TRR-B	Limited due to #1, #4
Subscription Tool		X/Motif	TRR-B	
Data Dictionary Tool		HTML	EP7	
User Registration/Profile Tool		HTML	PW3	
User Preferences Tool		X/Motif	TRR-B	
Comment/Survey Tool		HTML	EP7	
Document Search Tool		HTML	EP7	
Logging Tool		X/Motif	TRR-B	
Session Management Tool		X/Motif Java	TRR-B TRR-B	Limited due to #1, #2
DAR Tool		X/Motif	TRR-B	
Hypertext Viewer	Netscape (HTML 3.0 Compatible)	COTS	TRR-B	
Hypertext Authoring Tool	TBD	COTS	TRR-B	
E-mailer Tool	Z-mail	COTS	TRR-B	
Integration Tool		COTS	TRR-B	

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